

■ RCCB Residual Current Circuit Breaker Add-on, type A



BB044210



BB046310



BB046403



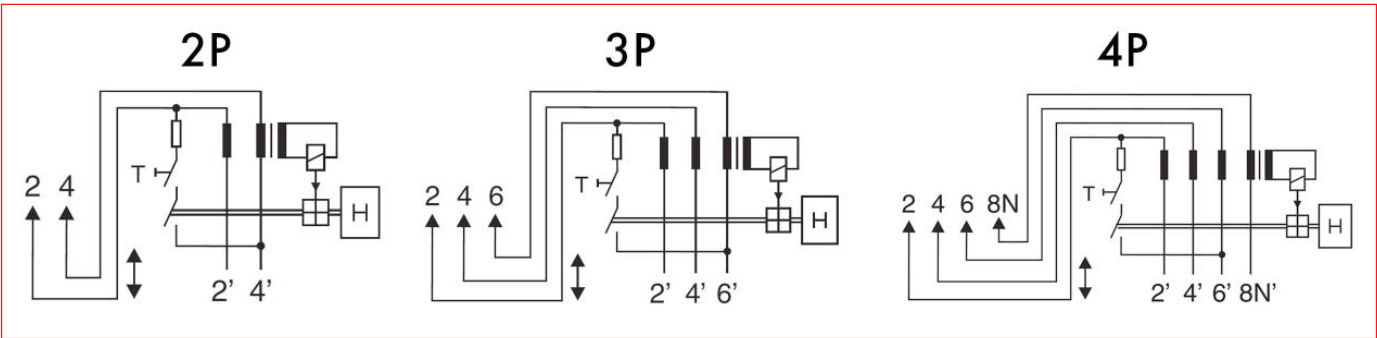
BB066430

■ Schrack-Info

- Sensitivity: pulse current sensitive (type A)
- For subsequent mounting onto BM series or BR series MCBs
- Line voltage independent tripping
- Also in selective tripping type (type S) available

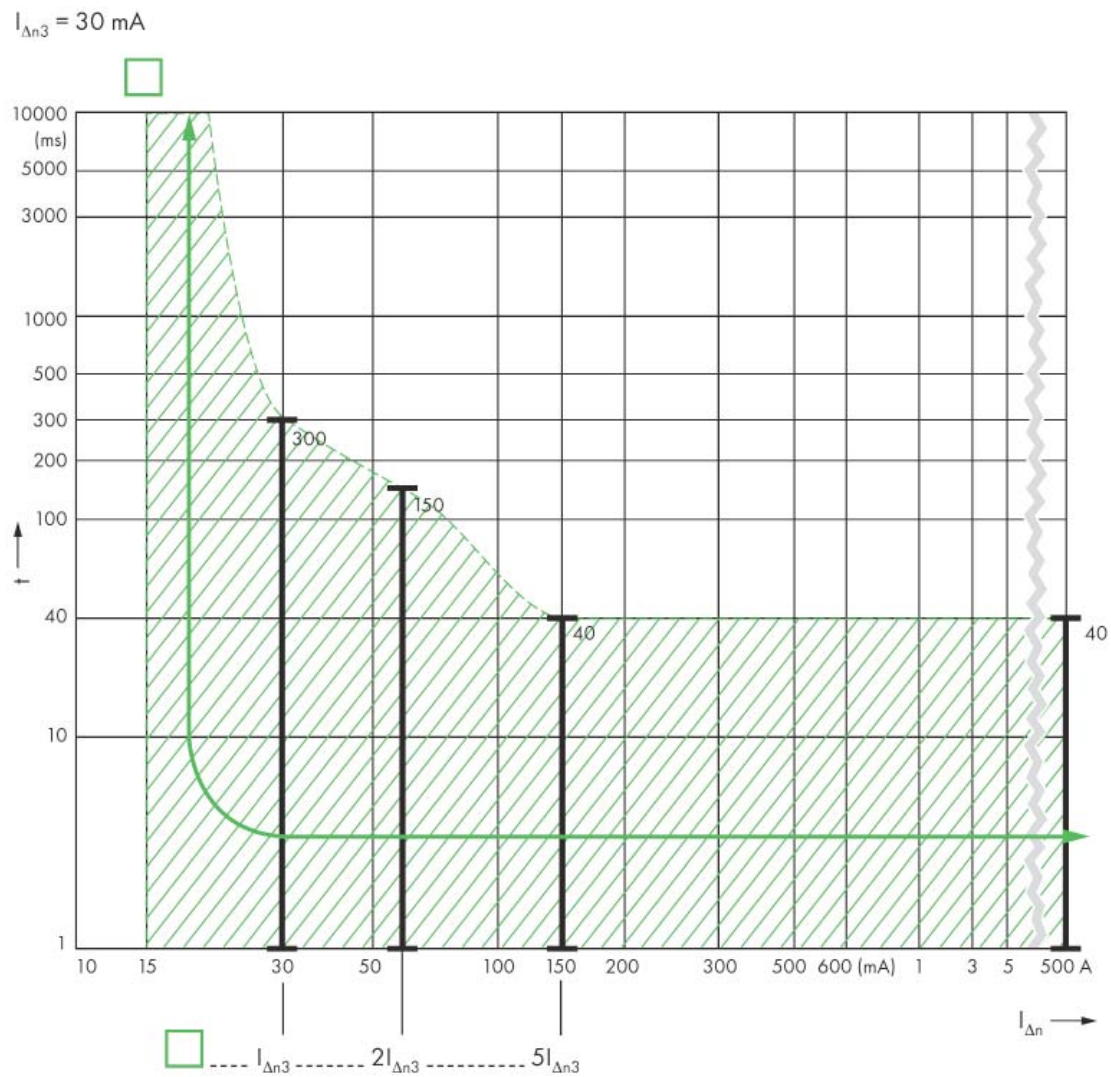
Standards:	IEC/EN 61009
Pole	2-pole, 3-pole and 4-pole
Rated voltage U_s :	230/400 V AC
Rated frequency:	50Hz
Rated current I_n :	40A, 63A, 80A, 125A
Tripping-type:	A, pulse current sensitive
Rated current $I_{\Delta n}$:	30mA, 100mA, 300mA
Rated non-tripping current $I_{\Delta no}$	0.5 $I_{\Delta n}$
Delay-type: undelayed	undelayed, conditionally surge current proof up to 250 A (8/20 μ s)
S (selective)	delayed at least 40 ms (Type S), surge current proof up to 5 kA (8/20 μ s), with selective disconnecting function
Surge current proof: undelayed	>250A (8/20 μ s)
S (selective)	>5kA (8/20 μ s) Type S
Rated insulation voltage U_i :	440V
Rated impulse withstand voltage U_{imp} :	4kV (1.2/50 μ s)
Service short circuit breaking capacity I_{cs}	same as MCB
Rated short-circuit capacity I_{cn} :	same as MCB
Rated fault breaking capacity $I_{\Delta m}$: $U_n = 230V$ $U_n = 400V$	6kA 3kA
Operating voltage test-circuit:	196 - 440V-AC
Endurance:	> 4.000 operating cycles (mechanical > 20.000)
Rated tripping temperature:	-25°C up to +40°C
Climatic proofing:	according to IEC/EN 61008
Finger and hand touch safe:	according to BGV A3
Degree of protection:	IP 20 (covered IP40)
Operating position:	in any position
Terminals:	Double clamp / lift terminal
Terminal cross-section:	Rigid conductors 1 x 1-25mm ² , flexible conductors (with wire end sleeve) 1 x 0.75-16mm ²
Terminal screws:	Pozidriv PZ2
Terminal tightening torque:	> 0,6 Nm
Mounting:	on MCB on right side
Test interval:	Operate test button of RCCB 1 x every 6 months. The system operator is responsible for this test! Under non-household-type conditions (e.g. humid or dusty environment), it is recommended to carry out the test in monthly intervals. Pressing the test button "T" only tests the function of the residual current (RC) circuit breaker. This test does not replace the earthing resistance measurement (RE) nor the proper protective conductor test that must be performed separately.

■ Wiring diagram



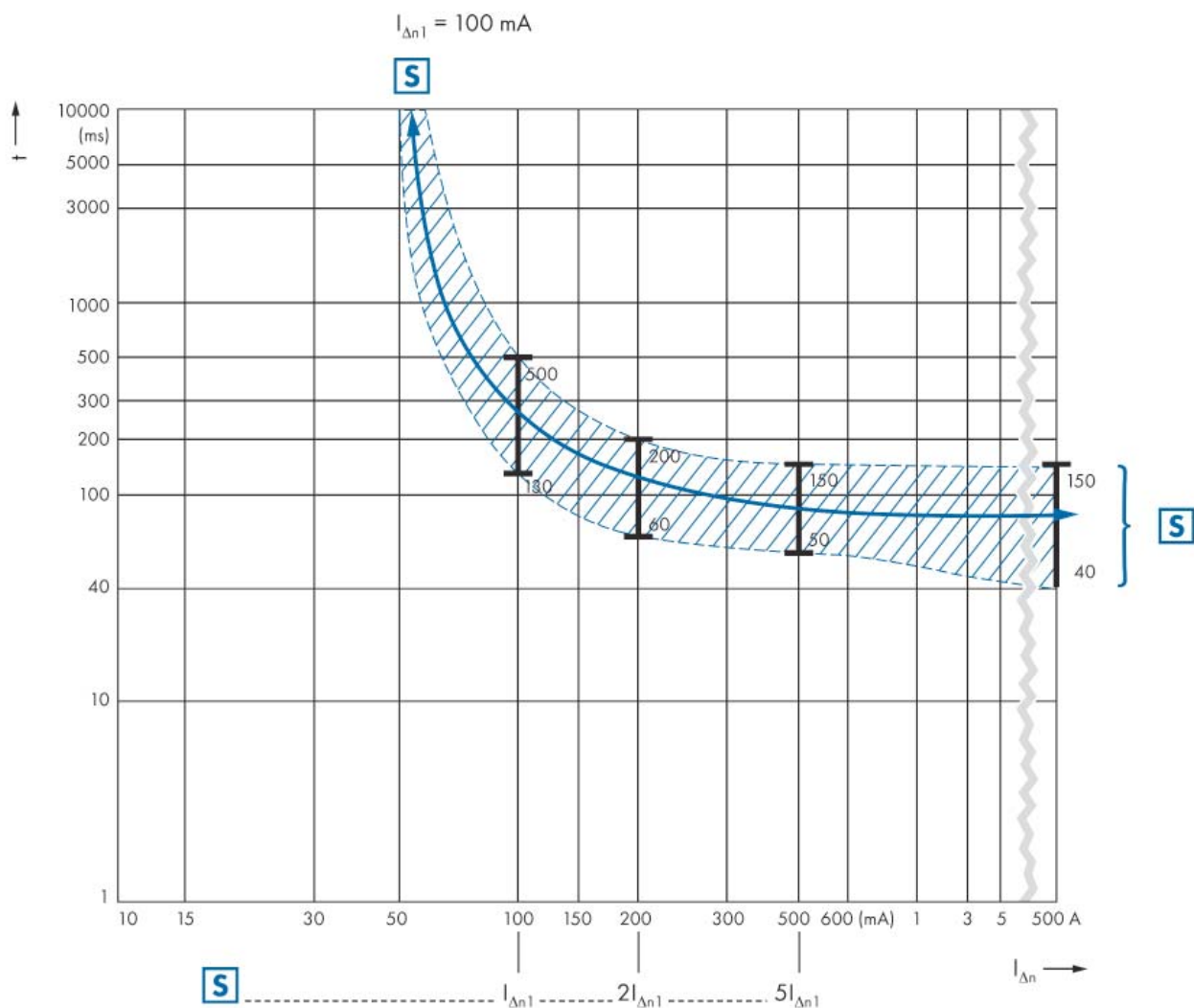
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■ Tripping characteristic undelayed



RCCB Residual Current Circuit Breaker Add-on, type A

Tripping characteristic selective (S)



 RCCB Residual Current Circuit Breaker Add-on, type A, 2-pole



BB044210

DESCRIPTION	AVAILABLE	ORDER NO.
30mA		
40A / 2 / 0,3A		BB044203
80A / 2 / 0,03A		BB048203
125A / 2 / 0,03A		BB047203
100mA		
40A / 2 / 0,1A		BB044210
300mA		
40A / 2 / 0,3A		BB044230
63A / 2 / 0,3A		BB046230
125A / 2 / 0,3A		BB047230

 RCCB Residual Current Circuit Breaker Add-on, type A, 3-pole



BB046310

DESCRIPTION	AVAILABLE	ORDER NO.
30mA		
40A / 3 / 0,03A		BB044303
63A / 4 / 0,03A		BB046403
100mA		
63A / 3 / 0,1A		BB046310
300mA		
40A / 3 / 0,3A		BB044330
63A / 3 / 0,3A		BB046330



 RCCB Residual Current Circuit Breaker Add-on, type A, 4-pole



BB046403

DESCRIPTION	AVAILABLE	ORDER NO.
30mA		
40A / 4 / 0,03A		BB044403
63A / 4 / 0,03A		BB046403
80A / 4 / 0,03A		BB048403
125A / 4 / 0,03A		BB047403
100mA		
40A / 4 / 0,1A		BB044410
300mA		
40A / 4 / 0,3A		BB044430
63A / 4 / 0,3A		BB046430
80A / 4 / 0,3A		BB048430
125A / 4 / 0,3A		BB047430
1A		
125A / 4 / 0,1A		BB047400

 RCCB Residual Current Circuit Breaker Add-on, type A, S



BB066430

DESCRIPTION	AVAILABLE	ORDER NO.
300mA		
63A / 4 / 0,3A		BB066430
80A / 4 / 0,3A		BB068430
1A		
80A / 4 / 0,1A		BB068400